

What is claimed is:

1. A method of programmatically determining edgification of components in a computing
2 network, comprising steps of:

3 retrieving values for one or more characteristics of one or more components to be
4 potentially edgified;

5 retrieving values for one or more characteristics of an operating environment in which the
6 edgification is to potentially occur;

7 retrieving a policy which expresses associations between the characteristics of the
8 components and the characteristics of the operating environment; and

9 programmatically combining the values of the characteristics of a particular one of the
10 components, the policy, and the values of the characteristics of the operating environment to yield
11 a result which determines whether the particular component is edgeable.

2. The method according to Claim 1, further comprising the step of comparing the result to a
2 threshold to determine whether the particular component is edgeable.

1. 3. The method according to Claim 1, wherein the characteristics of the one or more
2 components are supplied by developers of the components.

1. 4. The method according to Claim 1, wherein the characteristics of the operating
2 environment are supplied by an administrator of the environment.

1 5. The method according to Claim 1, wherein the policy is supplied by a deployer.

1 6. The method according to Claim 1, wherein the step of programmatically combining uses
2 techniques of matrix multiplication.

1 7. The method according to Claim 1, wherein the values of the characteristics of the one or
2 more components, values of the policy, and values of the characteristics of the operating
3 environment range between zero and one.

1 8. The method according to Claim 1, wherein the step of programmatically combining uses
2 modifications to techniques of matrix multiplication, wherein particular intermediate results signal
3 changes to the matrix multiplication process.

1 9. A system for programmatically determining edgification of components in a computing
2 network, comprising:
3 means for retrieving values for one or more characteristics of one or more components to
4 be potentially edgified;
5 means for retrieving values for one or more characteristics of an operating environment in
6 which the edgification is to potentially occur;
7 means for retrieving a policy which expresses associations between the characteristics of
8 the components and the characteristics of the operating environment;
9 means for programmatically combining the values of the characteristics of a particular one

10 of the components, the policy, and the values of the characteristics of the operating environment
11 to yield a result; and

12 means for comparing the result to a threshold to determine whether the particular
13 component is edgeable.

1 10. A computer program product for programmatically determining edgification of
2 components in a computing network, the computer program product embodied on one or more
3 computer-readable media and comprising:

4 computer-readable program code means for retrieving values for one or more
5 characteristics of one or more components to be potentially edgified;
6 computer-readable program code means for retrieving values for one or more
7 characteristics of an operating environment in which the edgification is to potentially occur;
8 computer-readable program code means for retrieving a policy which expresses
9 associations between the characteristics of the components and the characteristics of the operating
10 environment;

11 computer-readable program code means for programmatically combining the values of the
12 characteristics of a particular one of the components, the policy, and the values of the
13 characteristics of the operating environment to yield a result; and

14 computer-readable program code means for comparing the result to a threshold to
15 determine whether the particular component is edgeable.